

Summary of Refinitiv vs. BBG

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Intel 5-year:

```
library(readxl)
```

```
## Warning: package 'readxl' was built under R version 4.0.3
```

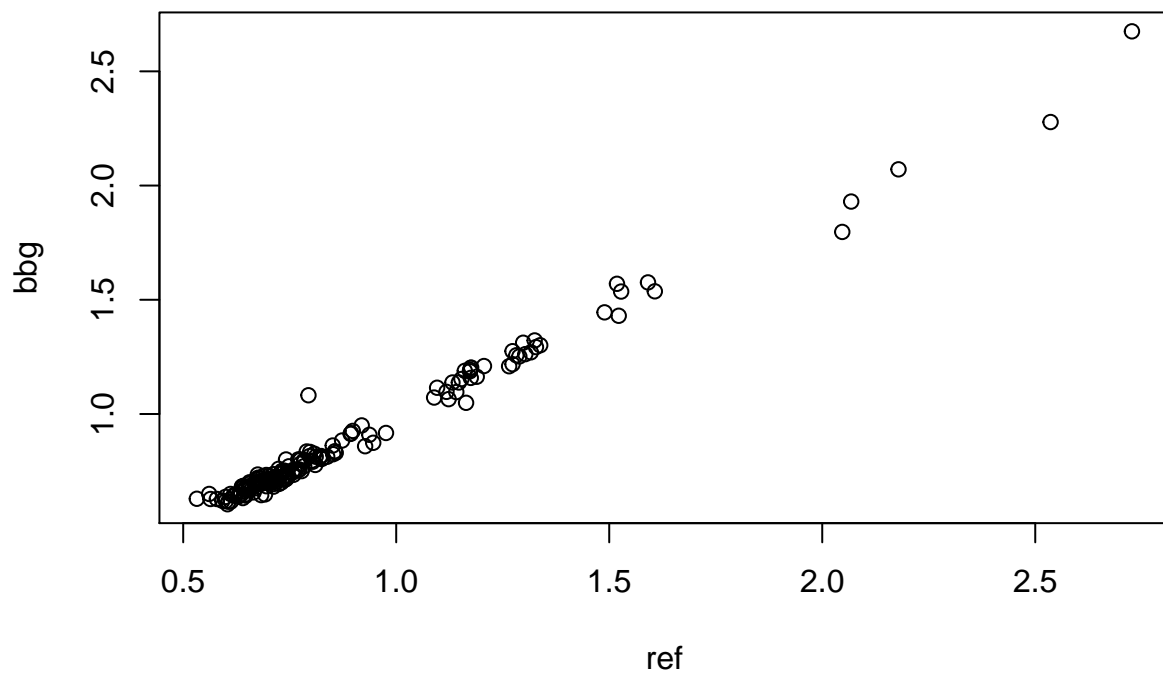
```
data <- read_excel("C:/Users/ME/OneDrive/Desktop/Raw data/BBG-Eikon Comparison.xlsx")
```

```
## New names:
## * ' ' -> ...1
## * ' ' -> ...14
## * ' ' -> ...15
```

```
ref = data$`Intel 5Y Eikon`
bbg = data$`Intel 5Y BBG`
bbg = as.numeric(bbg)
```

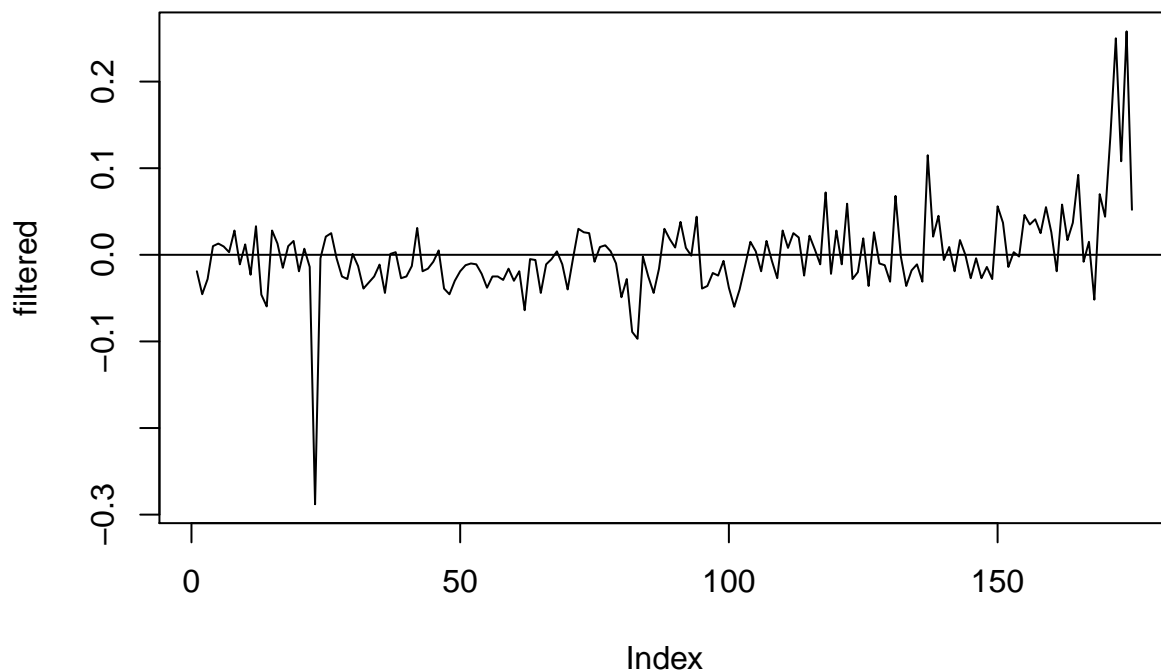
```
## Warning: NAs introduced by coercion
```

```
plot(ref, bbg)
```



```
unfiltered = ref - bbg
filtered = c()
count = 0
for(x in unfiltered){
  if(!is.na(x)){
    filtered[count] = x
    count = count + 1
  }
}

plot(filtered, type="l")
abline(h=0)
```



```
mean(filtered)
```

```
## [1] -0.00042
```

```
sd(filtered)
```

```
## [1] 0.04878912
```

```
t.test(filtered, alternative = "two.sided", mu=0, conf.level=0.95)
```

```
##
## One Sample t-test
##
## data: filtered
## t = -0.11388, df = 174, p-value = 0.9095
## alternative hypothesis: true mean is not equal to 0
## 95 percent confidence interval:
## -0.007699193 0.006859193
## sample estimates:
## mean of x
## -0.00042
```

```
cor(ref, bbg, use="complete.obs")
```

```
## [1] 0.9926513
```

Nike 5-year

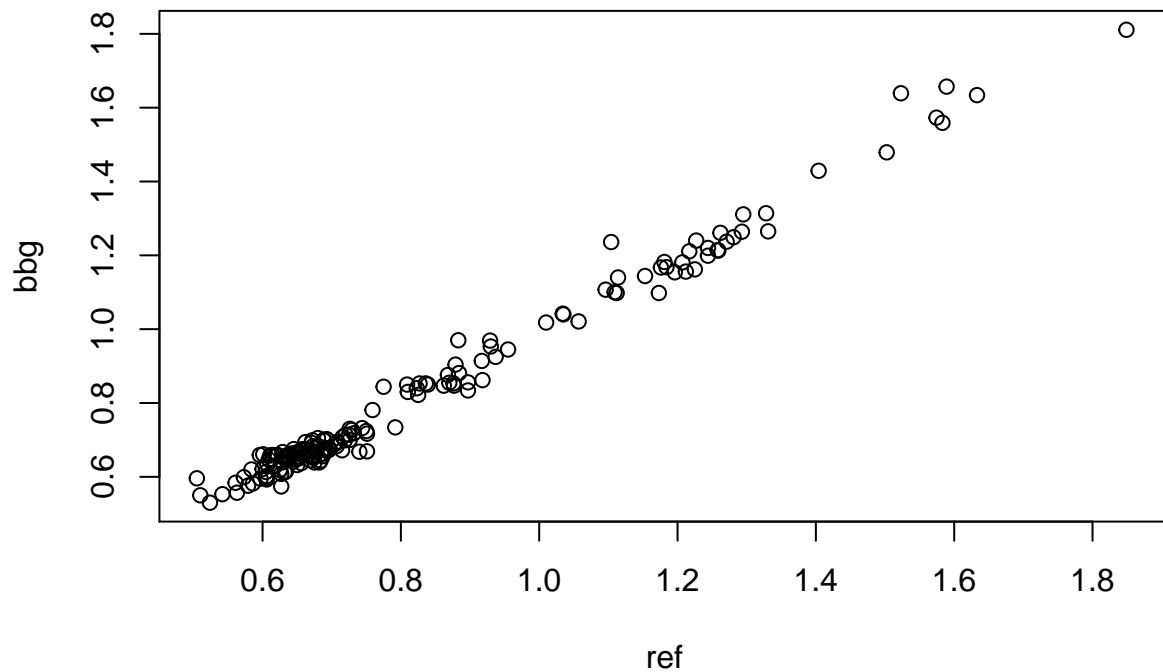
```
library(readxl)
data <- read_excel("C:/Users/ME/OneDrive/Desktop/Raw data/BBG-Eikon Comparison.xlsx")
```

```
## New names:
## * ' ' -> ...1
## * ' ' -> ...14
## * ' ' -> ...15
```

```
ref = data$`Nike 5Y Eikon`
bbg = data$`Nike 5Y BBG`
bbg = as.numeric(bbg)
```

```
## Warning: NAs introduced by coercion
```

```
plot(ref, bbg)
```

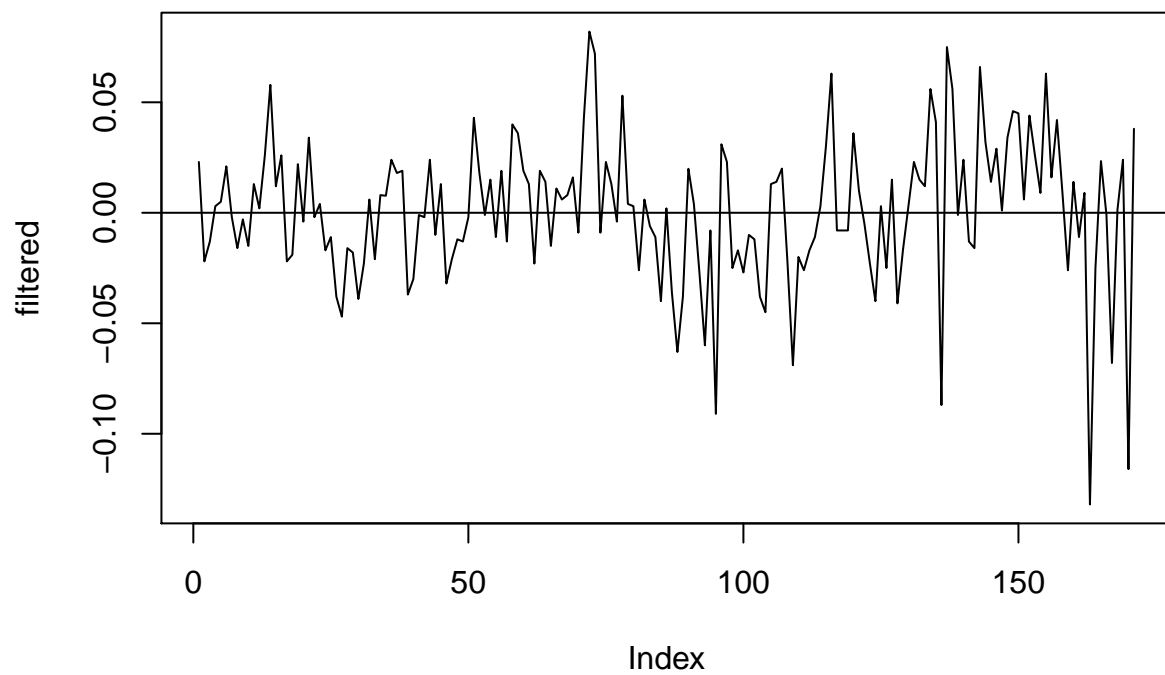


```

unfiltered = ref - bbg
filtered = c()
count = 0
for(x in unfiltered){
  if(!is.na(x)){
    filtered[count] = x
    count = count + 1
  }
}

plot(filtered, type="l")
abline(h=0)

```



```
mean(filtered)
```

```
## [1] 0.0006976608
```

```
sd(filtered)
```

```
## [1] 0.03255755
```

```
t.test(filtered, alternative = "two.sided", mu=0, conf.level=0.95)
```

```
##
## One Sample t-test
##
## data: filtered
## t = 0.28021, df = 170, p-value = 0.7797
## alternative hypothesis: true mean is not equal to 0
## 95 percent confidence interval:
## -0.004217124 0.005612445
## sample estimates:
## mean of x
## 0.0006976608
```

```
cor(ref, bbg, use="complete.obs")
```

```
## [1] 0.9928557
```

Comcast 5-year

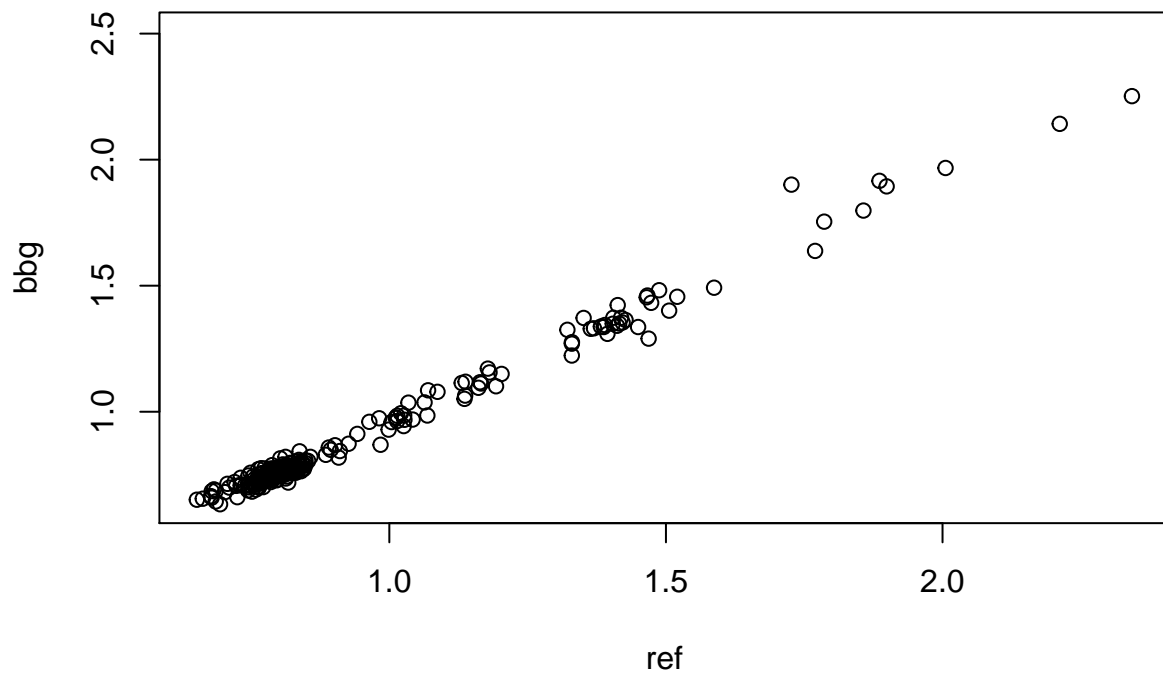
```
library(readxl)
data <- read_excel("C:/Users/ME/OneDrive/Desktop/Raw data/BBG-Eikon Comparison.xlsx")
```

```
## New names:
## * '' -> ...1
## * '' -> ...14
## * '' -> ...15
```

```
ref = data$`Comcast 5Y Eikon`
bbg = data$`Comcast 5Y BBG`
bbg = as.numeric(bbg)
```

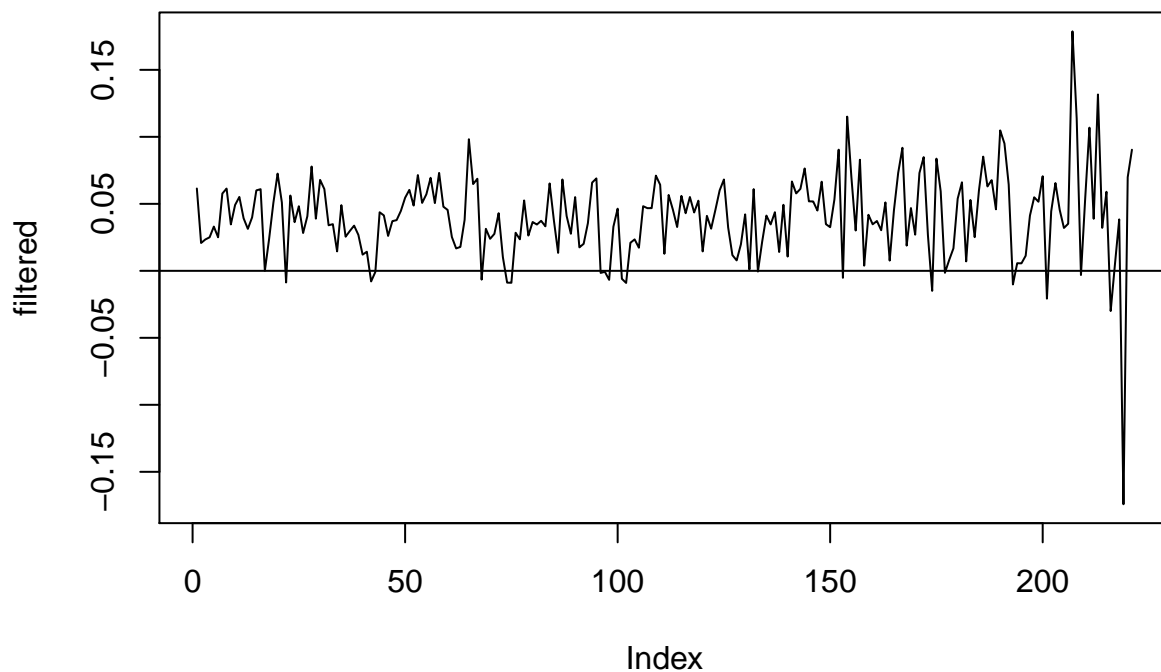
```
## Warning: NAs introduced by coercion
```

```
plot(ref, bbg)
```



```
unfiltered = ref - bbg
filtered = c()
count = 0
for(x in unfiltered){
  if(!is.na(x)){
    filtered[count] = x
    count = count + 1
  }
}

plot(filtered, type="l")
abline(h=0)
```



```
mean(filtered)
```

```
## [1] 0.04019101
```

```
sd(filtered)
```

```
## [1] 0.03200724
```

```
t.test(filtered, alternative = "two.sided", mu=0, conf.level=0.95)
```

```
##  
## One Sample t-test  
##  
## data: filtered  
## t = 18.667, df = 220, p-value < 2.2e-16  
## alternative hypothesis: true mean is not equal to 0  
## 95 percent confidence interval:  
## 0.03594779 0.04443423  
## sample estimates:  
## mean of x  
## 0.04019101
```



```
cor(ref, bbg, use="complete.obs")
```

```
## [1] 0.9944029
```

Intel 30-year

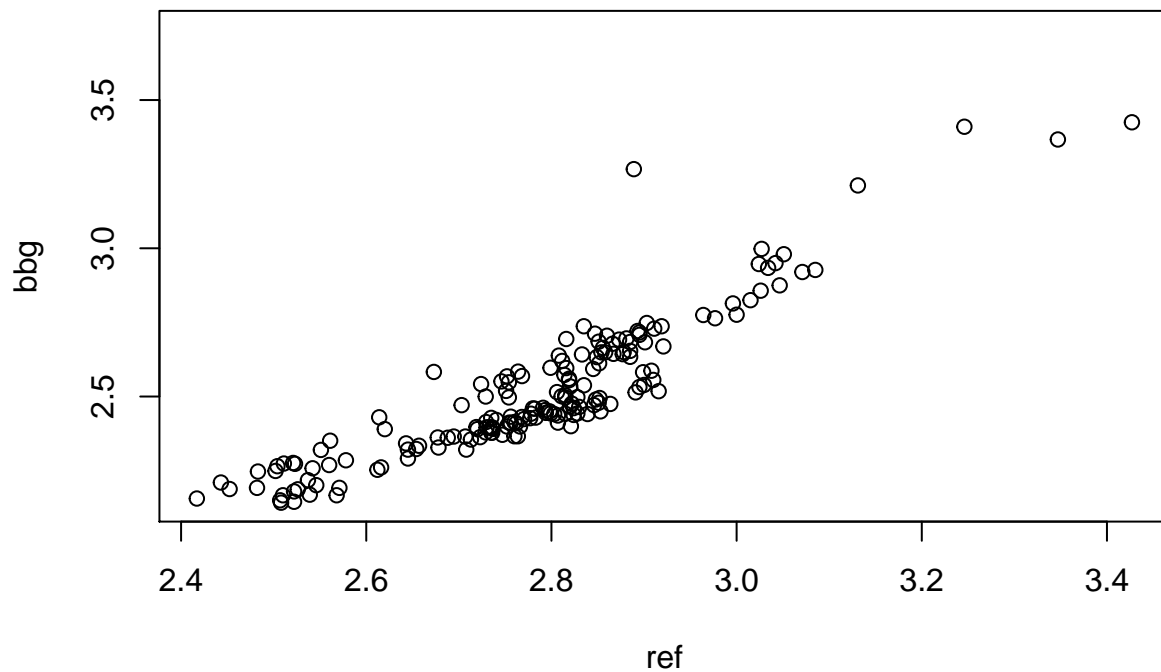
```
library(readxl)
data <- read_excel("C:/Users/ME/OneDrive/Desktop/Raw data/BBG-Eikon Comparison.xlsx")
```

```
## New names:
## * ' ' -> ...1
## * ' ' -> ...14
## * ' ' -> ...15
```

```
ref = data$`Intel 30Y Eikon`
bbg = data$`Intel 30Y BBG`
bbg = as.numeric(bbg)
```

```
## Warning: NAs introduced by coercion
```

```
plot(ref, bbg)
```

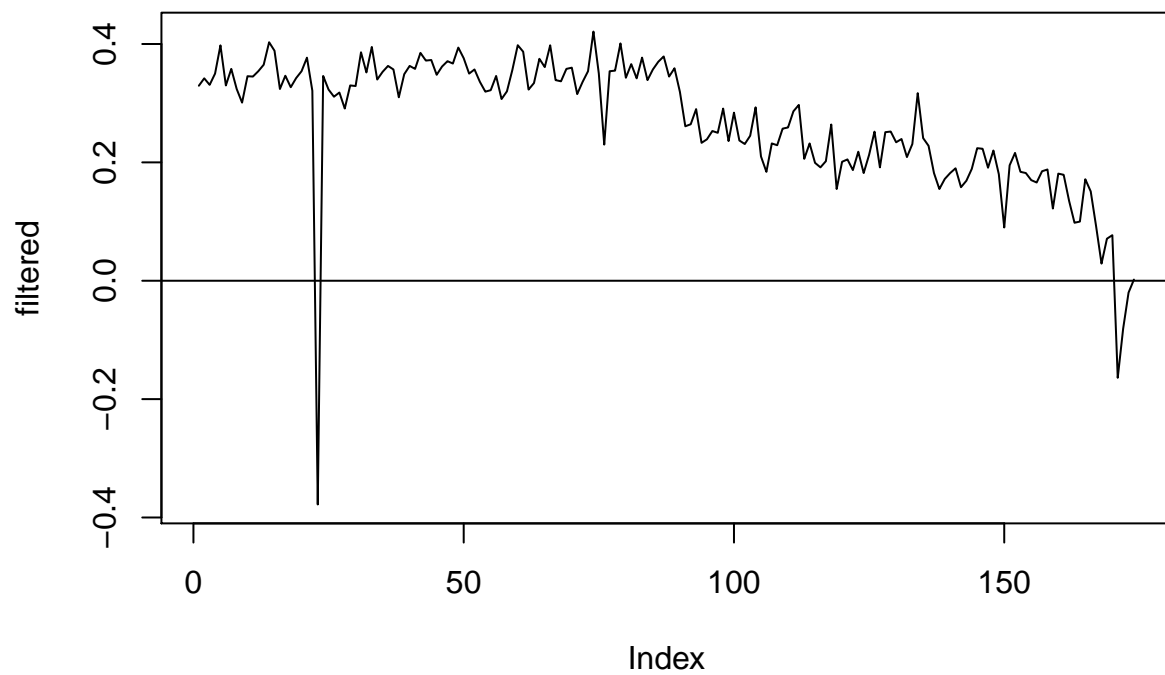


```

unfiltered = ref - bbg
filtered = c()
count = 0
for(x in unfiltered){
  if(!is.na(x)){
    filtered[count] = x
    count = count + 1
  }
}

plot(filtered, type="l")
abline(h=0)

```



```
mean(filtered)
```

```
## [1] 0.2690443
```

```
sd(filtered)
```

```
## [1] 0.1110383
```

```
t.test(filtered, alternative = "two.sided", mu=0, conf.level=0.95)
```

```
##
## One Sample t-test
##
## data: filtered
## t = 31.961, df = 173, p-value < 2.2e-16
## alternative hypothesis: true mean is not equal to 0
## 95 percent confidence interval:
## 0.2524295 0.2856590
## sample estimates:
## mean of x
## 0.2690443
```

```
cor(ref, bbg, use="complete.obs")
```

```
## [1] 0.9100821
```

Nike 30-year

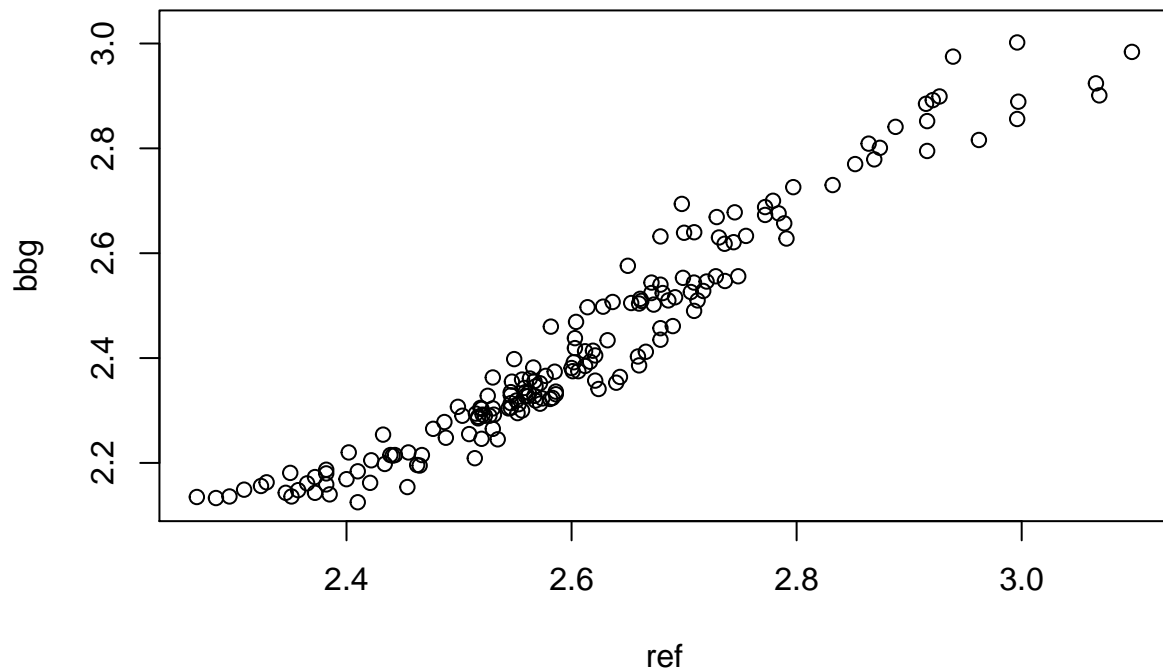
```
library(readxl)
data <- read_excel("C:/Users/ME/OneDrive/Desktop/Raw data/BBG-Eikon Comparison.xlsx")
```

```
## New names:
## * '' -> ...1
## * '' -> ...14
## * '' -> ...15
```

```
ref = data$`Nike 30Y Eikon`
bbg = data$`Nike 30Y BBG`
bbg = as.numeric(bbg)
```

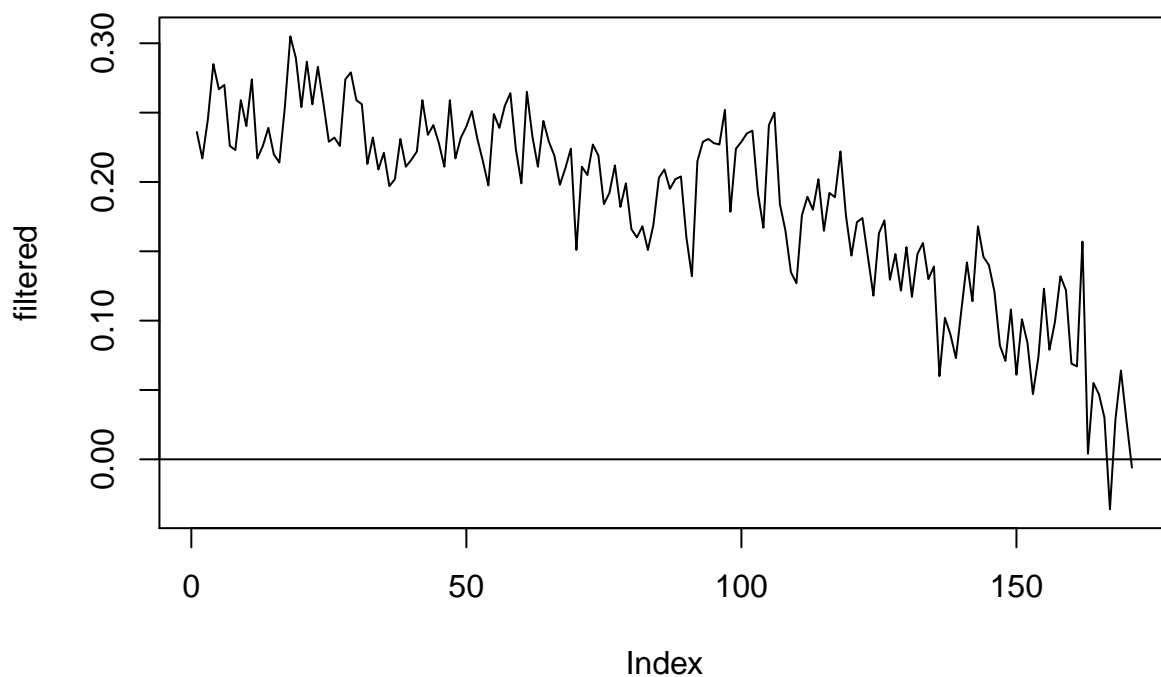
```
## Warning: NAs introduced by coercion
```

```
plot(ref, bbg)
```



```
unfiltered = ref - bbg
filtered = c()
count = 0
for(x in unfiltered){
  if(!is.na(x)){
    filtered[count] = x
    count = count + 1
  }
}

plot(filtered, type="l")
abline(h=0)
```



```
mean(filtered)
```

```
## [1] 0.1839591
```

```
sd(filtered)
```

```
## [1] 0.06760514
```

```
t.test(filtered, alternative = "two.sided", mu=0, conf.level=0.95)
```

```
##  
## One Sample t-test  
##  
## data: filtered  
## t = 35.583, df = 170, p-value < 2.2e-16  
## alternative hypothesis: true mean is not equal to 0  
## 95 percent confidence interval:  
## 0.1737536 0.1941645  
## sample estimates:  
## mean of x  
## 0.1839591
```

```
cor(ref, bbg, use="complete.obs")
```

```
## [1] 0.9670351
```

Comcast 30-year

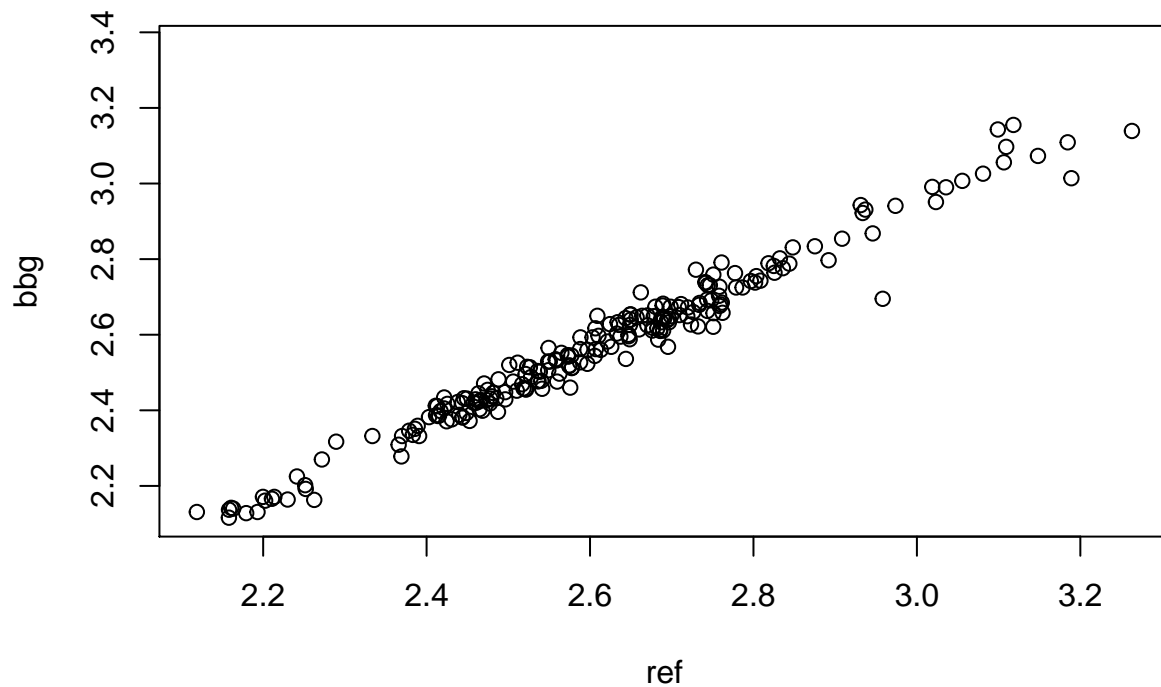
```
library(readxl)
data <- read_excel("C:/Users/ME/OneDrive/Desktop/Raw data/BBG-Eikon Comparison.xlsx")
```

```
## New names:
## * ' ' -> ...1
## * ' ' -> ...14
## * ' ' -> ...15
```

```
ref = data$`Comcast 30Y Eikon`
bbg = data$`Comcast 30Y BBG`
bbg = as.numeric(bbg)
```

```
## Warning: NAs introduced by coercion
```

```
plot(ref, bbg)
```

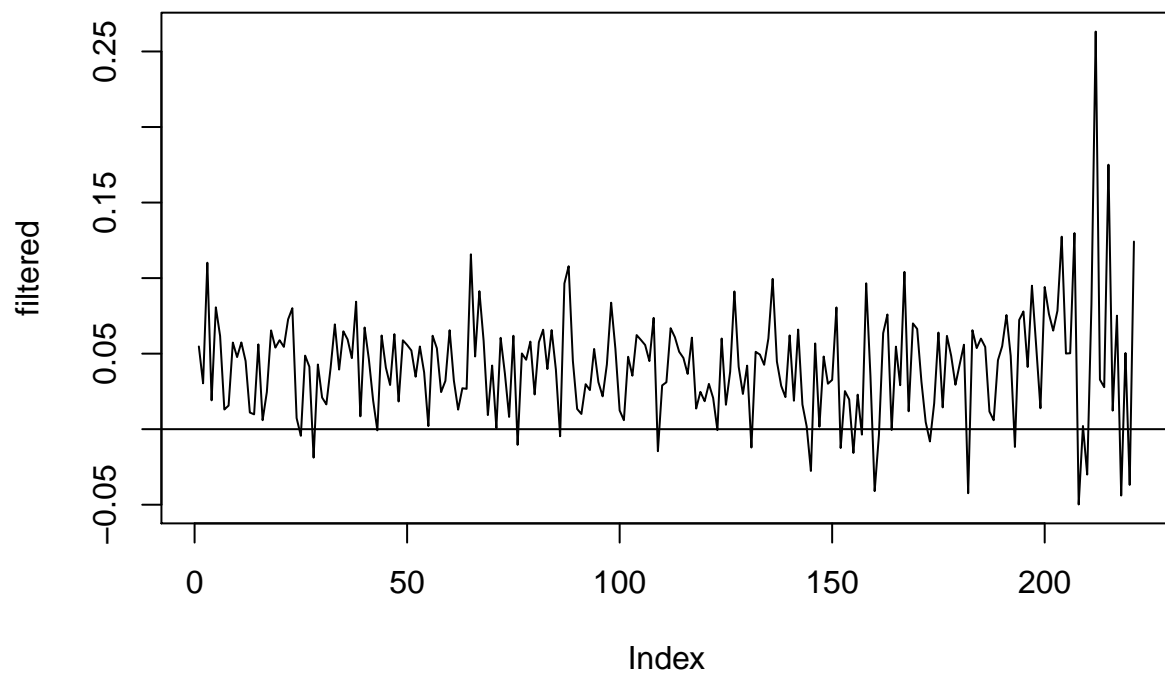


```

unfiltered = ref - bbg
filtered = c()
count = 0
for(x in unfiltered){
  if(!is.na(x)){
    filtered[count] = x
    count = count + 1
  }
}

plot(filtered, type="l")
abline(h=0)

```



```
mean(filtered)
```

```
## [1] 0.04190222
```

```
sd(filtered)
```

```
## [1] 0.03653537
```

```
t.test(filtered, alternative = "two.sided", mu=0, conf.level=0.95)
```

```
##  
## One Sample t-test  
##  
## data: filtered  
## t = 17.05, df = 220, p-value < 2.2e-16  
## alternative hypothesis: true mean is not equal to 0  
## 95 percent confidence interval:  
## 0.03705870 0.04674574  
## sample estimates:  
## mean of x  
## 0.04190222
```

```
cor(ref, bbg, use="complete.obs")
```

```
## [1] 0.9854054
```